

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A jaw implant having an implant body and an implant top portion which is attached to the implant body by a screw and serves as a carrier for a dental prosthesis and has a borehole ~~which surrounds comprising~~: a through-borehole for the connecting screw and a recess ~~with forming~~ a supporting area for the screw head, ~~characterized in that wherein~~
~~the supporting area is designed as a truncated cone surrounding the through-borehole and the part of the screw head, which comes to rest against the truncated cone, is designed as, the connecting screw comprises, at the underside of the screw head, a female taper being adapted to the truncated cone, and of the implant top portion, the female taper and the truncated cone being brought into close contact with each other by pressure generated by the screw when the screw is tightened, whereby the truncated cone and the female taper cause a centering of the implant top portion on the implant body when the screw is tightened and at the same time prevent deformation of the implant top portion toward the outside without exerting pressure in the direction of the periphery of the implant top portion so that a widening of the circumference of the implant top portion is prevented.~~

2. (Currently Amended) The jaw implant according to claim 1, ~~characterized in that wherein~~ the interface between the implant body and the implant top portion ~~has an implant head running is planar and oriented~~ at a right angle to the longitudinal axis of the implant body.

1 3. (Currently Amended) The jaw implant according to claim 1, characterized in
2 that wherein the interface between the implant body and the implant top has
3 a profile adapted to ~~the comb shape~~ a cone-shaped cross-section of the jaw.

1 4. (Currently Amended) The jaw implant according to claim 3, characterized in
2 that wherein the profile is inclined toward ~~the a~~ buccal side and ~~the a~~ lingual
3 side of the jaw.

1 5. (Currently Amended) The jaw implant according to claim 3, characterized in
2 that wherein the profile toward the buccal side and the lingual side is
3 rounded, conforming to the shape of the cross section of the jaw.

1 6. (Currently Amended) The jaw implant according to claim 3, characterized in
2 that wherein the profile toward the buccal side and the lingual side has a bell
3 shape approximating the shape of the cross section of the jaw.

1 7. (Currently Amended) The jaw implant according to claim 3, characterized in
2 that wherein the implant top (34) portion is elastically deformable ~~under the~~
3 ~~pressure of the tightened screw in the interface area under pressure of the~~
4 screw, when the screw is tightened.

1 8. (Currently Amended) The jaw[[.]] implant according to claim 7, characterized
2 ~~in that in the interface area, wherein~~ the implant top portion has a profile
3 which is adapted by elastic deformation in the interface area to the profile of
4 the implant body under the pressure of the screw when the screw is
5 tightened.

1 9. (Currently Amended) The jaw implant according to ~~claims 7 and claim~~ 8,
2 characterized in ~~that wherein~~ the implant top portion, which ~~undergoes elastic~~
3 deformation is elastically deformed in the interface area under the pressure

4 of the screw when the screw is tightened, exerts is effective to exert a
5 restoring force on the screw which secures the. screw in the tightened state
6 to prevent it from loosening spontaneously.

1 10. (Currently Amended) The jaw implant according to ~~anyone of claims~~ claim 7
2 ~~through 9, characterized in that~~ further comprising a groove running in a ring
3 ~~shape around the supporting area (truncated cone)~~ ~~is arranged in the~~ a
4 recess in the implant top portion and ~~increases~~ having a ring shape around
5 the truncated cone to increase the elastic deformability of the implant top
6 portion in the interface area.

1 11. (Currently Amended) The jaw implant according to claim 10, ~~characterized in~~ in
2 ~~that~~ wherein the ring groove has a profile on which one flank is formed by the
3 conical surface of the truncated cone.

1 12. (Currently Amended) The jaw implant according to ~~claims~~ claim 8 and 9,
2 ~~characterized in that~~ wherein inclined faces on the buccal side and on the
3 lingual side in the interface area of the implant body form an angle α which is
4 larger than an angle α' between corresponding inclined surfaces on the
5 buccal side and on the lingual side in the interface area of the implant top
6 portion; and the difference between angles α and α' is such that it is within
7 the elastic deformability range of the implant top portion and where angle α
8 increases under the pressure of the screw and is adapted to angle α' when
9 the screw is tightened.

1 13. (Currently Amended) The jaw implant according to ~~claims~~ claim 8 and 9,
2 ~~characterized in that~~ comprising rounded surfaces on the buccal side and the
3 lingual side which have smaller radii of curvature in the interface area of the
4 implant top portion than the corresponding rounded surfaces on the buccal
5 side and on the lingual side in the interface area of the implant body; and

6 wherein the difference in curvature is such that it is within the elastic
7 deformability range of the implant top portion, and where the curvature in the
8 interface area of the implant top increases under the pressure of the screw
9 and is adapted to the curvature in the interface area of the implant body
10 when the screw is tightened.

1 14. (Currently Amended) The jaw implant[[.]] according to claim 13, characterized
2 in that wherein the rounded surfaces in the interface area of the implant top
3 portion and the rounded surfaces in the interface area of the implant body
4 are circular.

1 15. (Currently Amended) The jaw implant according to claims claim 8 and 9,
2 characterized in that comprising an approximately bell-shaped profile in the
3 interface area of the implant top portion has having smaller radii of curvature
4 in the interface area of the implant top in the a concave part than the
5 corresponding convex part of the an approximately bell-shaped profile in the
6 interface area of the implant body in a corresponding convex part; and
7 wherein the difference in curvature is adjusted in its dimension such that it is
8 within the elastic deformability range of the implant top portion, and where
9 the curvature in the interface area of the implant top portion increases under
10 the pressure of the screw and is adapted to the curvature in the interface
11 area of the implant body when the screw is tightened.

1 16. (Currently Amended) The jaw implant according to claim 13, characterized in
2 that wherein the concave part in the interface area of the implant top portion
3 and the convex part in the interface area of the implant body are circular.